

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 9/03/2003
15637000 0371 ORCHARD SUPPLY HARDWARE

PAGE 1
MSDS NO. 31051.1

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME
W.M. BARR & COMPANY, INC.

ADDRESS
2105 Channel Ave.
Memphis, TN 38113 USA

EMERGENCY TELEPHONE #1
901-775-0100

EMERGENCY CONTACT
W.M. Barr Technical Services

EMERGENCY INFORMATION

"3E" 24 HOUR MEDICAL EMERGENCY #, 800 451-8346.
SEE SECTION 5 FOR ADDITIONAL EMERGENCY INFORMATION

INVENTORY ITEM #
OKS221

CHEMICAL FORMULA
31051.1

PRODUCT NAME
KLEAN-STRIP SPRAYABLE REMOVER

REVISED BY
W.M. Barr Technical Services

REVISION DATE
7/31/2003

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#	CARCINOGENICITY			
			NTP	ACGIH	OSHA	IARC
METHYLENE CHLORIDE	80- 85	75-09-2	Y	Y	N	Y
METHANOL	1- 4	67-56-1	N	N	N	N
DENATURED ALCOHOL	1- 5	N/A	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
ETHANOL	85- 90	64-17-5	N	N	N	N
METHANOL	1- 4	67-56-1	N	N	N	N
ISOPROPANOL	1- 5	67-63-0	N	N	N	N

SECTION 3. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY U/M		TWA	STEL	CEIL	SKIN	PEL
METHYLENE CHLORIDE	ACGIH	PPM	50.00	N/E	N/E	N	N/E
	OSHA	PPM	25.00	125.00	1000.00	N	N/E

OSHA PEAK CONCENTRATION FOR 8HR SHIFT:2000 PPM FOR 5 MIN. IN ANY 2 HRS.
EMPLOYERS ARE REQUIRED TO CONDUCT INITIAL MONITORING OF AIRBORNE
METHYLENE CHLORIDE, (MC), CONCENTRATIONS AND TO CONDUCT PERIODIC (MC)
EXPOSURE MONITORING FOR ALL TASKS WHERE EMPLOYEE EXPOSURES ARE ABOVE
ACTION LEVEL (12.5 PPM,8-HR TWA) OR STEL. NTP-ANTICIPATED CARCINOGEN; IARC
POSSIBLE CARCINOGEN (2B); ACGIH-SUSPECTED CARCINOGEN (A2); NIOSH-DEFINED
CARCINOGEN. (MC) HAS CAUSED CANCER IN CERTAIN LABORATORY ANIMAL TESTS.
RISK TO YOUR HEALTH DEPENDS ON LEVEL AND DURATION OF EXPOSURE.

METHANOL	ACGIH	PPM	200.00	250.00	N/E	Y	N/E
	OSHA	PPM	200.00	250.00	N/E	Y	200.00
DENATURED ALCOHOL	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E
ETHANOL	ACGIH	PPM	1000.00	N/E	N/E	N	N/E
	OSHA	PPM	1000.00	N/E	N/E	N	1000.00
ISOPROPANOL	ACGIH	PPM	400.00	500.00	N/E	N	N/E
	OSHA	PPM	400.00	500.00	N/E	N	400.00

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SECTION 3. REGULATORY INFORMATION (CONTINUED)

ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

CALIFORNIA (PROPOSITION #65)

WARNING: Using this product will expose you to Methylene Chloride, which is known to cause cancer.

SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372):

SUBSTANCE DESCRIPTION	PERCENT BY WEIGHT (UPPER LIMIT)	CAS#
METHYLENE CHLORIDE	85	75-09-2
METHANOL	4	67-56-1
METHYL ISOBUTYL KETONE	1	108-10-1

CLEAN AIR ACT

This formula contains no known ozone depleting chemicals.

HAZARD COMMUNICATION STANDARD

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

SECTION 4. HAZARDS IDENTIFICATION

INHALATION ACUTE EXPOSURE EFFECTS

Harmful if inhaled. May cause dizziness; headache; watering of eyes; irritation of the respiratory tract; drowsiness; nausea; numbness in fingers, arms and legs; hot flashes; depression of central nervous system; spotted vision; dilation of pupils; increase in carboxyhemoglobin levels, which can cause stress to the cardiovascular system; arm, leg and chest pains; visual disturbances; vomiting; giddiness; intoxication; sleepiness; cough and dyspnea; cold, clammy extremities; and diarrhea. Severe overexposure may cause irregular or rapid heartbeat; convulsions; unconsciousness; and death. Elevated carboxyhemoglobin levels can be additive to the increase caused by smoking and other carbon monoxide sources.

SKIN CONTACT ACUTE EXPOSURE EFFECTS

This product is a skin irritant. May be absorbed through skin, especially damaged skin. Harmful if absorbed through skin. May cause irritation; drying of skin; defatting of skin; redness; and dermatitis. May cause symptoms listed under inhalation.

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SECTION 4. HAZARDS IDENTIFICATION (CONTINUED)

EYE CONTACT ACUTE EXPOSURE EFFECTS

This material is an eye irritant. May cause irritation; burns; conjunctivitis of eyes; and corneal ulcerations of the eye. Vapors may irritate eyes.

INGESTION ACUTE EXPOSURE EFFECTS

Harmful or fatal if swallowed. May cause dizziness; headache; nausea; irritation to mouth, throat and stomach; vomiting; loss of coordination; stupor; drowsiness; gastrointestinal irritation; depression of the central nervous system; narcosis; diarrhea; reddening of face and/or neck; blindness; liver, kidney and heart damage; unconsciousness; coma; and death. May produce symptoms listed under inhalation. Liquid aspirated into lungs, during vomiting, may cause chemical pneumonia and systemic effects.

CHRONIC EXPOSURE EFFECTS

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. Prolonged skin contact may result in absorption of a harmful amount of this material. May cause headache; conjunctivitis; gastric disturbances; giddiness; insomnia; dizziness; fatigue; tremors; skin irritation; permanent central nervous system changes; decreased response to visual and auditory stimulation; visual impairment or blindness; hallucinations; changes in blood; blood disorders; kidney, liver and pancreatic damage; and death. May produce symptoms listed under inhalation.

MEDICAL CONDITIONS AGGRAVATED

Diseases of the blood, skin, eyes, liver, kidneys, lungs, cardiovascular system and respiratory system; alcoholism and rhythm disorders of the heart.

PRIMARY ROUTE OF EXPOSURE

Inhalation, ingestion, and dermal.

SECTION 5. FIRST AID MEASURES

INHALATION

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

SKIN CONTACT

Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

EYE CONTACT

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

INGESTION

Call your poison control center, hospital emergency room, or physician immediately for instructions.

NOTE TO PHYSICIAN

THIS PRODUCT CONTAINS METHYLENE CHLORIDE AND LESS THAN 4% METHANOL. Methanol is metabolized to formaldehyde and formic acid. These metabolites may cause metabolic acidosis, visual disturbances, and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis. Adrenalin should never be given to a person overexposed to methylene chloride. This formula is registered with POISINDEX. Call your local poison control center for further information.

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SECTION 6. FIRE FIGHTING MEASURES

HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	2	2
FLAMMABILITY	1	1
REACTIVITY	0	0
OTHER	G	NA

FLASH METHOD
Seta

FLASH POINT
N/E F N/E C No flash to boil.

LOWER EXPLOSION LIMIT
2.00

GENERAL COMMENTS
OSHA FLAMMABILITY: Not Applicable

EXTINGUISHING METHOD
Use carbon dioxide, dry powder, or foam.

FIRE FIGHTING PROCEDURES
Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

FIRE AND EXPLOSION HAZARDS
Contact of liquid or vapor with flame or hot surfaces will produce toxic gases and a corrosive residue that will cause deterioration of metal.

SECTION 7. ACCIDENTAL RELEASE MEASURES

CLEAN-UP
Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. SMALL SPILLS: take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. LARGE SPILLS: dike far ahead of spill for later disposal.

For transportation related spills contact Chemtrec at 1-800-424-9300 for emergency assistance.

WASTE DISPOSAL
Dispose in accordance with applicable local, state and federal regulations.

SECTION 8. HANDLING AND STORAGE

STORAGE
Store in a cool, dry place. Exposure to high temperatures or prolonged exposure to sun may cause can to leak or swell. Once opened, remover should be used within six months or discarded to avoid can deterioration. Do not store near flames or at elevated temperatures.

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SECTION 8. HANDLING AND STORAGE (CONTINUED)

HANDLING

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

SECTION 9. TRANSPORT INFORMATION

TRANSPORTATION

DOMESTIC: PAINT RELATED MATERIAL, 8, UN3066, PGII

IMDG (IMO): CORROSIVE LIQUID, TOXIC, N.O.S., 8 (6.1), UN2922, PGII
(Contains Methylene Chloride, Ammonia Solution) EMS: 8-15

IATA: Corrosive liquid, toxic, n.o.s., 8 (6.1), UN2922, PGII
(Contains Methylene Chloride, Ammonia Solution) ERG Code: 8P

SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - STOP - ventilation is inadequate. Leave area immediately.

RESPIRATORY PROTECTION

For OSHA controlled work place and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved self-contained breathing apparatus for chlorinated solvent vapors. A dust mask does not provide protection against vapors.

SKIN PROTECTION

Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

EYE PROTECTION

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

OTHER PROTECTION

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE %

98.000
by weight

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SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES
(CONTINUED)

BOILING POINT

GT 104.00 F 40.00 C BOILING RANGE: 104 F - 180 F

VAPOR DENSITY (Air = 1.0)

Heavier than air

EVAPORATION RATE

Slower than ether

BULK DENSITY

10.020
lbs/gal at 75 F

pH FACTOR

N/E

PHOTOCHEMICALLY REACTIVE

NO

MAX V.O.C.

233 grams per liter (excluding exempt solvents & water)

MAX VAPOR PRESSURE

(of the V.O.C.) 17mm Hg at 20 degrees C

SECTION 12. STABILITY AND REACTIVITY

INCOMPATIBILITIES

Incompatible with strong oxidizing agents; strong caustics; alkali; oxygen; nitrogen peroxide; chemically active metals such as aluminum and magnesium; sodium; potassium; alkali metals; and nitric acid.

DECOMPOSITION

Thermal decomposition may produce hydrogen chloride; chlorine gas; small quantities of phosgene; carbon monoxide; carbon dioxide; formaldehyde; and unidentified organic compounds in black smoke.

POLYMERIZATION

Will not occur.

STABILITY

Stable.

SECTION 13. ADDITIONAL INFORMATION

IMPORTANT NOTE

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

LEGEND:

PPM = parts per million
MG/M3 = milligrams per cubic meter
N/E or NE = none established
GT = greater than
N/A or NA = not applicable

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SECTION 13. ADDITIONAL INFORMATION
(CONTINUED)

TCC = tag closed cup
TOC = tag open cup
PMCC = Pensky-Martens closed cup
IDLH = Immediately Dangerous to Life and Health

END OF MSDS